

WHAT IS CLAIMED IS:

1. An access authentication system for providing  
a client with a service of connection to a second  
terminal server via a first terminal server,  
5 characterized by comprising:

a first authentication server for determining  
whether or not the client should be connected to the  
first terminal server, on the basis of personal  
information input by the client to the first terminal  
10 server, the first authentication server creating first  
ticket data by encoding a client parameter, which  
includes part of the personal information, on the basis  
of a predetermined formula, and transferring the first  
ticket data to the second terminal server; and

15 a second authentication server for detecting  
whether or not the client parameter is valid and  
whether or not the first ticket data has been used,  
creating second ticket data by encoding the client  
parameter on the basis of a predetermined formula,  
20 comparing the first and second ticket data, and  
supplying the second terminal server with data  
indicative of whether or not the second terminal server  
should be connected to the client.

2. The access authentication system according to  
25 claim 1, characterized in that the predetermined  
formula is summarization using a one-way function.

3. The access authentication system according to

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claim 1, characterized in that the client parameter includes at least one of ID information of the client, an access-originator IP address and an expiration date set for the first ticket data.

5           4. The access authentication system according to claim 1, characterized in that the first and second authentication servers include a predetermined common character string in the first and second ticket data, respectively.

10           5. The access authentication system according to claim 4, characterized in that the common character string is changed at a predetermined point in time.

15           6. An access authentication system for providing a client with a service of connection to a second terminal server via a first terminal server, characterized by comprising:

          a first authentication server for determining whether or not the client should be connected to the first terminal server, on the basis of ID information and a password input by the client to the first terminal server, the first authentication server creating first ticket data by encoding client parameters, which include the ID information, an access-originator IP address of the client, a predetermined expiration date and a common character string, on the basis of a predetermined formula, and transferring the first ticket data to the second

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terminal server; and

5 a second authentication server for comparing an  
access-originator IP address input by the client to the  
second terminal server with the access-originator IP  
address of the client included in the client parameter,  
thereby determining whether or not access by the client  
has been executed on or before the expiration date,  
determining whether or not the first ticket data has  
been used, creating second ticket data by encoding the  
10 client parameters on the basis of a predetermined  
formula, comparing the first and second ticket data,  
and supplying the second terminal server with data  
indicative of whether or not the second terminal server  
should be connected to the client.

15 7. An access authentication system for providing  
a client with a service of connection to a second  
terminal server via a first terminal server,  
characterized by comprising:

20 first personal information acquiring means for  
acquiring personal information input by the client to  
the first terminal server;

25 first authentication means for determining whether  
or not the client should be connected to the first  
terminal server, on the basis of the personal  
information;

first ticket data creating means for creating  
first ticket data by encoding a client parameter, which

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transfer means for transferring data to the second
terminal server;
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second authentication means for creating second ticket data by encoding the client parameter, which contains the part of the personal information, on the basis of a predetermined formula, comparing the first and second ticket data, and supplying the second terminal server with data indicative of whether or not the second terminal server should be connected to the client.

8. The access authentication system according to claim 7, characterized in that the predetermined formula is summarization using a one-way function.

9. The access authentication system according to  
20 claim 7, characterized in that the first and second  
ticket creating means include a predetermined common  
character string in the first and second ticket data,  
respectively.

10. The access authentication system according to  
25 claim 7, characterized in that the second  
authentication means judges validity of the first  
ticket data.

11. The access authentication system according to claim 7, characterized in that the second authentication means judges legality of the client parameter.

5 12. An access authentication system for providing a client with a service of connection via a first terminal server, characterized by comprising:

first personal information acquiring means for acquiring personal information from the client;

10 first authentication means for determining whether or not the client should be connected to the first terminal server, on the basis of the personal information;

first ticket data creating means for creating  
15 first ticket data by encoding a client parameter, which includes at least part of the personal information, on the basis of a predetermined formula if the first authentication means determines that the client should be connected to the first terminal server; and

20 transfer means for transferring the first ticket data.

13. An access authentication system for providing a client with a service of connection to a second terminal server, characterized by comprising:

25 first ticket data acquiring means for acquiring first ticket data created by encoding a client parameter, which includes part of personal information

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of the client, on the basis of a predetermined formula;

second personal information acquiring means for acquiring personal information from the client;

5 second ticket creating means for creating second ticket data by encoding a client parameter, which includes part of personal information acquired by the second personal information acquiring means, on the basis of a predetermined formula; and

10 judging means for comparing the first and second ticket data, and judging whether or not the client should be connected to the second terminal server.

14. A computer-readable storage medium that stores a program for operating a computer, the program being characterized by comprising:

15 first personal information acquiring means for acquiring personal information from a client in a first terminal server;

first authentication means for determining whether or not the client should be connected to the first  
20 terminal server, on the basis of the personal information;

first ticket data creating means for creating first ticket data by encoding a client parameter, which includes at least part of the personal information, on  
25 the basis of a predetermined formula if the first authentication means determines that the client should be connected to the first terminal server;

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5           transfer means for transferring the first ticket  
data.

10           first ticket data acquiring means for acquiring  
first ticket data created by encoding a client  
parameter, which includes part of personal information  
of the client, on the basis of a predetermined formula  
in a second terminal server;

second ticket creating means for creating second  
ticket data by encoding a client parameter, which  
20 includes part of the personal information, on the basis  
of the predetermined formula; and

17. A program for operating a computer,  
comprising:



first personal information acquiring means for acquiring personal information from a client in a first terminal server;

5 first authentication means for determining whether or not the client should be connected to the first terminal server, on the basis of the personal information;

10 first ticket data creating means for creating first ticket data by encoding a client parameter, which includes at least part of the personal information, on the basis of a predetermined formula if the first authentication means determines that the client should be connected to the first terminal server;

15 transfer means for transferring the first ticket data to a second terminal server;

first ticket data acquiring means for acquiring the first ticket data in the second terminal server;

20 second personal information acquiring means for acquiring personal information from the client in the second terminal server;

second ticket creating means for creating second ticket data by encoding a client parameter, which includes part of personal information, on the basis of the predetermined formula; and

25 second authentication means for comparing the first and second ticket data, thereby determining whether or not the client should be connected to

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the second terminal server.

18. A program for operating a computer,  
comprising:

5 first personal information acquiring means for  
acquiring personal information from the client in  
a first terminal server;

10 first authentication means for determining whether  
or not the client should be connected to the first  
terminal server, on the basis of the personal  
information;

15 first ticket data creating means for creating  
first ticket data by encoding a client parameter, which  
includes at least part of the personal information, on  
the basis of a predetermined formula if the first  
authentication means determines that the client should  
be connected to the first terminal server; and

transfer means for transferring the first ticket  
data.

20 19. A program for operating a computer,  
comprising:

25 first ticket data acquiring means for acquiring  
first ticket data created by encoding a client  
parameter, which includes part of personal information  
of the client, on the basis of a predetermined formula  
in a second terminal server;

second personal information acquiring means for  
acquiring personal information from the client in

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second ticket data by encoding the client parameter on the basis of a predetermined formula;

a ticket data comparison step of comparing the second ticket data with the first ticket data; and

- 5 a second authentication step of determining whether or not the client should be connected to the second terminal server, on the basis of results obtained at the determination step and the comparison step.

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